Serial No. (new); Filed: March 29, 2004 Inventor: Yoshikazu SHINOHARA Attorney Docket No. 25-275 Bruce Arnold (703) 759-2991 Sheet 1 of 3

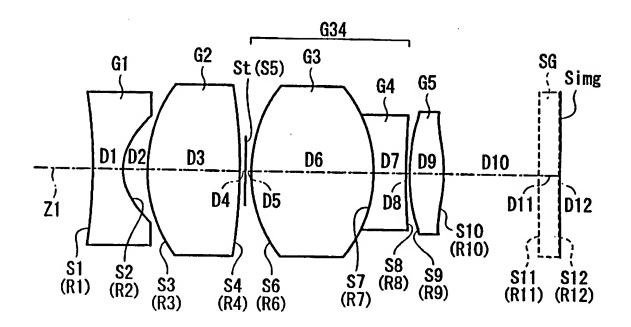


Fig. 1

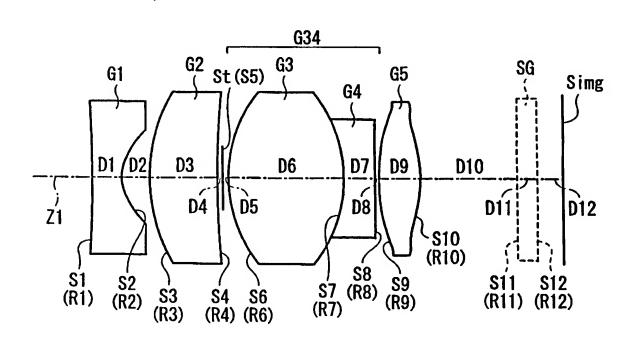


Fig. 2

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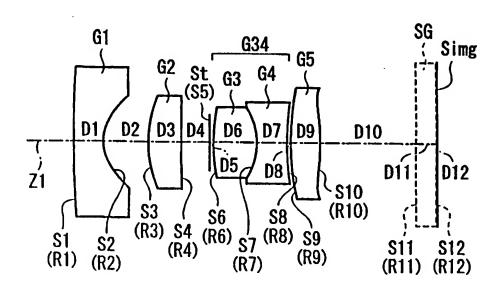


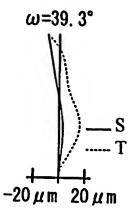
Fig. 3

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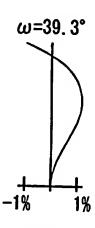
FNO. =2. 81

Spherical Aberration Fig. 4A

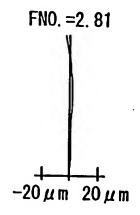
 $-20 \mu m$ $20 \mu m$



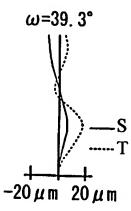
Astigmatism Fig. 4B



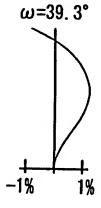
Distortion Fig. 4C



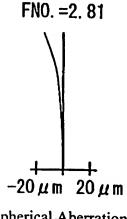
Spherical Aberration Fig. 5A



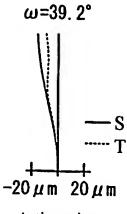
Astigmatism Fig. 5B



Distortion Fig. 5C



-20 μm 20 μm Spherical Aberration Fig. 6A



Astigmatism Fig. 6B



Distortion Fig. 6C